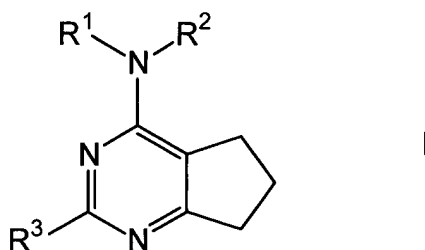


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. - 10. (Canceled)

11. (New) A compound of formula I



wherein one of R¹ and R² is chosen from

unsubstituted (C₁-C₈)-alkyl, (C₁-C₈)-alkyl which is substituted by at least one identical or different substituents chosen from hydroxy, (C₁-C₄)-alkoxy, (C₁-C₄)-alkyl-S(O)_m-, (C₃-C₇)-cycloalkyl, phenyl, naphthyl, and pyridyl,

unsubstituted (C₃-C₉)-cycloalkyl, and (C₃-C₉)-cycloalkyl which is substituted by at least one identical or different substituents chosen from (C₁-C₄)-alkyl, benzyl, hydroxy, amino, H-CO-O-, (C₁-C₄)-alkyl-CO-O-, (C₁-C₄)-alkyl-O-CO-O-, H-CO-NH-, (C₁-C₄)-alkyl-CO-NH-, (C₁-C₄)-alkyl-O-CO-NH-, phenyl-CO-NH-, (C₁-C₄)-alkyl-SO₂-NH-, and phenyl SO₂-NH-,

and the other of R¹ and R² is hydrogen,

wherein phenyl groups, naphthyl groups, pyridyl groups and benzyl groups present in R¹ and R² are unsubstituted or substituted on the aromatic ring by at least one identical or different substituents chosen from halogen, (C₁-C₄)-alkyl, phenyl CF₃, NO₂, OH, -O-(C₁-C₄)-alkyl, -O-(C₂-C₄)-alkyl-O-(C₁-C₄)-alkyl, (C₁-C₂)-alkylenedioxy, NH₂,

-NH-(C₁-C₄)-alkyl, -N((C₁-C₄)-alkyl)₂, -NH-CHO-, -NH-CO-(C₁-C₄)-alkyl, -CN, -CO-NH₂,
-CO-NH-(C₁-C₄)-alkyl, -CO-N((C₁-C₄)-alkyl)₂, -CO-OH, -CO-O-(C₁-C₄)-alkyl, -CHO and -
CO-(C₁-C₄)-alkyl;

wherein R³ is aryl but cannot be unsubstituted phenyl;

wherein aryl is chosen from phenyl, naphthyl and heteroaryl, all of which are unsubstituted or substituted by at least one identical or different substituents chosen from halogen, (C₁-C₄)-alkyl, phenyl, CF₃, NO₂, OH, -O-(C₁-C₄)-alkyl, -O-(C₂-C₄)-alkyl-O-(C₁-C₄)-alkyl, (C₁-C₂)-alkylenedioxy, NH₂, -NH-(C₁-C₄)-alkyl, -N((C₁-C₄)-alkyl)₂, -NH-CHO, -NH-CO-(C₁-C₄)-alkyl, -CN, -CO-NH₂, -CO-NH-(C₁-C₄)-alkyl, -CO-N((C₁-C₄)-alkyl)₂, -CO-OH, -CO-O-(C₁-C₄)-alkyl, -CHO and -CO-(C₁-C₄)-alkyl;

wherein heteroaryl is chosen from a radical of a monocyclic 5-membered aromatic heterocycle, a radical of a monocyclic 6-membered aromatic heterocycle, a radical of a bicyclic 8-membered aromatic heterocycle, a radical of a bicyclic 9-membered aromatic heterocycle, and a radical of a bicyclic 10-membered aromatic heterocycle, each of which contain at least one identical or different ring heteroatoms chosen from N, O and S; and

wherein m is 0, 1 or 2;

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

12. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is unsubstituted (C₃-C₉)-cycloalkyl or (C₃-C₉)-cycloalkyl which is substituted by at least one identical or different substituents chosen from (C₁-C₄)-alkyl, hydroxyl, amino, H-CO-O-,

(C₁-C₄)-alkyl-CO-O-, (C₁-C₄)-alkyl-O-CO-O-, H-CO-NH-, (C₁-C₄)-alkyl-CO-NH-, (C₁-C₄)-alkyl-O-CO-NH-, phenyl-CO-NH-, (C₁-C₄)-alkyl-SO₂-NH- and phenyl-SO₂-NH-, wherein phenyl groups present in R¹ and R² are unsubstituted or substituted, in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

13. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is unsubstituted (C₃-C₉)-cycloalkyl or substituted (C₃-C₉)-cycloalkyl which is substituted by at least one identical or different substituents chosen from (C₁-C₄)-alkyl, hydroxy, amino, (C₁-C₄)-alkyl-CO-O-, (C₁-C₄)-alkyl-CO-NH-, (C₁-C₄)-alkyl-O-CO-NH-, phenyl-CO-NH-, (C₁-C₄)-alkyl-SO₂-NH- and phenyl SO₂-NH-, wherein phenyl groups present in R¹ and R² are unsubstituted or substituted, in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

14. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is unsubstituted (C₃-C₉)-cycloalkyl or substituted (C₃-C₉)-cycloalkyl which is substituted by one or two identical or different substituents chosen from (C₁-C₄)-alkyl, hydroxy, amino, H-CO-O-, (C₁-C₄)-alkyl-CO-O-, (C₁-C₄)-alkyl-O-CO-O-, H-CO-NH-, (C₁-C₄)-alkyl-CO-NH-, (C₁-C₄)-alkyl-O-CO-NH-, phenyl-CO-NH-, (C₁-C₄)-alkyl-SO₂-NH- and phenyl SO₂-NH-, wherein phenyl groups present in R¹ and R² are unsubstituted or substituted, in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

15. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is cyclopentyl or cyclohexyl each of which are unsubstituted or substituted by at least one identical or different substituents chosen from (C₁-C₄)-alkyl, hydroxy, amino, (C₁-C₄)-alkyl-CO-O-, (C₁-C₄)-alkyl-CO-NH-, (C₁-C₄)-alkyl-O-CO-NH-, phenyl-CO-NH-, (C₁-C₄)-alkyl-SO₂-NH- and phenyl-SO₂-NH-, wherein phenyl groups present in R¹ and R² are unsubstituted or substituted,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

16. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is (C₃-C₉)-cycloalkyl which is substituted by a hydroxy group,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

17. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is chosen from cyclopentyl substituted by a hydroxy group and cyclohexyl substituted by a hydroxy group,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

18. (New) The compound as claimed in claim 11, wherein one of R¹ and R² is cyclohexyl which is substituted by a hydroxy group,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

19. (New) The compound as claimed in claim 11, wherein one of R^1 and R^2 is 4-hydroxycyclohexyl,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

20. (New) The compound as claimed in claim 11, wherein one of R^1 and R^2 is unsubstituted (C_1-C_8) -alkyl or (C_1-C_8) -alkyl which is optionally substituted by at least one identical or different substituents selected from hydroxy, (C_1-C_4) -alkoxy, (C_1-C_4) -alkyl- $S(O)_m$ -, (C_3-C_7) -cycloalkyl, phenyl and naphthyl, wherein phenyl groups and naphthyl groups present in R^1 and R^2 can be unsubstituted or substituted,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

21. (New) The compound as claimed in claim 11, wherein one of R^1 and R^2 is unsubstituted (C_1-C_8) -alkyl or (C_1-C_8) -alkyl which is optionally substituted by one or two identical or different substituents chosen from hydroxy, (C_1-C_4) -alkoxy, (C_1-C_4) -alkyl- $S(O)_m$ -, (C_3-C_7) -cycloalkyl, phenyl and naphthyl, wherein phenyl groups and naphthyl groups present in R^1 and R^2 are unsubstituted or substituted,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

22. (New) The compound as claimed in claim 11, wherein R³ is a substituted phenyl,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

23. (New) The compound as claimed in claim 11, wherein R³ is a phenyl substituted by one or two substituents chosen from halogen and (C₁-C₄)-alkyl,

in any stereoisomeric form, or mixtures thereof in any ratio, or their physiologically acceptable salts.

24. (New) The compound as claimed in claim 11, which is selected from
2-(4-chlorophenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(cis/trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(4-acetyloxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(trans-4-aminocyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(trans-4-acetylaminocyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(trans-4-methanesulfonylamino-cyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(trans-4-(4-chlorophenylsulfonylamino)-cyclohexylamino)-5,6,

7,8-tetrahydroquinazoline,

2-(4-chlorophenyl)-4-(trans-4-ethoxycarbonylamino-cyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-chlorophenyl)-4-(trans-4-benzoylamino-cyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-cyclobutylamino-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-(4-methylcyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-cyclononylamino-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-(2-isopropyl-5-methylcyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-(trans-2-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-cyclopropylamino-5,6,7,8-tetrahydroquinazoline,

2-(3,4-dimethoxyphenyl)-4-cyclohexylamino-5,6,7,8-tetrahydroquinazoline,

2-(3,4-dimethoxyphenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline,

2-(3,4-dimethoxyphenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(3-chlorophenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline,

2-(3-chlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methoxyphenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methoxyphenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline,

2-(4-cyanophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(3,5-dichlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,5-dichlorophenyl)-4-cyclohexylamino-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dichlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dichlorophenyl)-4-cycloheptylamino-5,6,7,8-tetrahydroquinazoline,
2-(2,4-dichlorophenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline,
2-(2,4-dichlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(2-chlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3-bromophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3-bromophenyl)-4-cyclopentylamino-5,6,7,8-tetrahydroquinazoline, and
2-(3,5-difluorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline
or their physiologically acceptable salts.

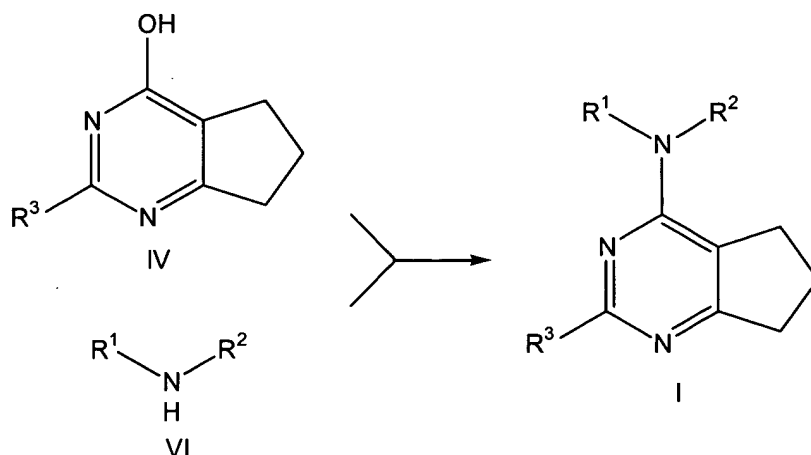
25. (New) The compound as claimed in claim 11, which is selected from
2-(4-chlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(cis/trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dimethoxyphenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3-chlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,

2-(4-methoxyphenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-cyanophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,5-dichlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dichlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(2,4-dichlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(2-chlorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3-bromophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,5-difluorophenyl)-4-(trans-4-hydroxycyclohexylamino)-5,6,7,8-tetrahydroquinazoline
or their physiologically acceptable salts.

26. (New) The compound as claimed in claim 11, which is selected from
2-(4-chlorophenyl)-4-(2-hydroxyethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-butylamino-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(2-(3-methoxyphenyl)ethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(5-hydroxy-1,5-dimethylhexylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-chlorophenyl)-4-(4-hydroxybutylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-butylamino-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-(2-hydroxyethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-(3-methoxypropylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-isobutylamino-5,6,7,8-tetrahydroquinazoline,

2-(4-methylphenyl)-4-((cyclopropylmethyl)amino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-((R)-1-phenylethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methylphenyl)-4-((S)-1-phenylethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dimethoxyphenyl)-4-(4-hydroxybutylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dimethoxyphenyl)-4-butylamino-5,6,7,8-tetrahydroquinazoline,
2-(3-chlorophenyl)-4-isobutylamino-5,6,7,8-tetrahydroquinazoline,
2-(4-methoxyphenyl)-4-methylamino-5,6,7,8-tetrahydroquinazoline,
2-(4-methoxyphenyl)-4-(2-methoxyethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-methoxyphenyl)-4-isopentylamino-5,6,7,8-tetrahydroquinazoline,
2-(4-methoxyphenyl)-4-(5-hydroxy-1,5-dimethylhexylamino)-5,6,7,8-
tetrahydroquinazoline,
2-(4-cyanophenyl)-4-(2-(2-chlorophenyl)ethylamino)-5,6,7,8-tetrahydroquinazoline,
2-(4-cyanophenyl)-4-(3,4-dimethoxybenzylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,5-dichlorophenyl)-4-(4-hydroxybutylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3,4-dichlorophenyl)-4-(4-hydroxybutylamino)-5,6,7,8-tetrahydroquinazoline,
2-(2,4-dichlorophenyl)-4-(4-hydroxybutylamino)-5,6,7,8-tetrahydroquinazoline,
2-(2-chlorophenyl)-4-(3,4-dimethoxybenzylamino)-5,6,7,8-tetrahydroquinazoline,
2-(3-bromophenyl)-4-(4-hydroxybutylamino)-5,6,7,8-tetrahydroquinazoline, and
2-(3,5-difluorophenyl)-4-(3,4-dimethoxybenzylamino)-5,6,7,8-tetrahydroquinazoline
or their physiologically acceptable salts.

27. (New) A process for the preparation of a compound of formula as claimed in claim 11, comprising activating a 4-hydroxytetrahydroquinazoline of formula IV and then reacting it with an amine of the formula VI,



wherein R¹, R² and R³ have the meanings indicated in claim 11.

28. (New) A pharmaceutical composition, comprising at least one compound as claimed in claim 11 and a physiologically acceptable carrier.

29. (New) A method for activating at least one soluble guanylate cyclase, comprising adding at least one compound as claimed in claim 11 to said at least one soluble guanylate cyclase.

30. (New) A method for treating at least one disorder associated with a disturbed cGMP balance, comprising administering an effective amount of at least one compound as claimed in claim 11 to a patient in need thereof.

31. (New) A method for treating hypertension comprising administering an effective amount of at least one compound as claimed in claim 11 to a patient in need thereof.

32. (New) A method for treating stroke comprising administering an effective amount of at least one compound as claimed in claim 11 to a patient in need thereof.

33. (New) A method for treating at least one disorder selected from endothelial dysfunction, diastolic dysfunction, atherosclerosis, thrombosis, restenosis, cardiac insufficiency, pulmonary hypertension, erectile dysfunction, bronchial asthma, chronic renal insufficiency, diabetes, and liver cirrhosis and improving restricted learning capacity and memory power comprising administering an effective amount of at least one compound as claimed in claim 11 to a patient in need thereof.

34. (New) A method for treating at least one disorder selected from angina pectoris and myocardial infarct, comprising administering an effective amount of at least one compound as claimed in claim 11 to a patient in need thereof.